

Results of Analyses  
Wastewater Spill Monitoring –  
Beachwalk SPS Spill (Shoreline Stations)  
May 14, 2006

Samples collected Saturday, May 13, 2006 (51<sup>st</sup> day):  
Spill reported on March 24, 2006.  
NPDES Permit No. HI 0020117.

<u>Station</u>	<u>Collection Time</u>	<u>Bacterial Counts / 100 mL</u>			<u>Salinity</u>
		<u>Fecal Coliform<sup>iv</sup></u>	<u>Enterococci<sup>v</sup></u>	<u>C. perfringens<sup>vi</sup></u>	
Magic Island Finger	7:16 A.M.	24	19	1	32.6
Ala Moana Canoe Launch Ramp	7:05 A.M.	21	33	29	26.2
Magic Island Lagoon	7:19 A.M.	1	< 1	< 1	33.9
Ala Wai Harbor Boat Launch Ramp	7:32 A.M.	220	300	9	24.8
Hilton Lagoon	7:43 A.M.	2	1	< 1	33.9
Hale Koa Hotel	7:49 A.M.	7	< 1	< 1	34.0
Halekulani-Sheraton	9:36 A.M.	2	< 1	1	33.9
Moana Hotel	8:10 A.M.	3	1	< 1	34.0
Kapahulu Groin	8:17 A.M.	5	3	< 1	33.8
Queen's Surf Beach	8:23 A.M.	< 1	< 1	< 1	34.1
Natatorium	8:29 A.M.	< 1	< 1	< 1	34.0

Weather: Sunny

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Date St.Bridge- Upstream	8:58 A.M.	1,200	1,200	60	< 0.1
Seaside Ave.- Upstream	8:46 A.M.	120	68	15	24.6
Kaiolu St.-Spill site	8:43 A.M.	500	300	56	16.4
McCully St. Bridge.	9:04 A.M.	440	210	43	12.8
Ala Moana Blvd. Bridge	9:09 A.M.	500	280	23	17.8

Weather: Sunny.

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<sup>4</sup> APHA, AWWA, WEF, Standard Methods for the Examination of Water and Wastewater, 18<sup>th</sup> Edition, 1992, Membrane Filter Method for Fecal Coliform.

<sup>5</sup> Improved Enumeration Methods for the Recreational Water Quality Indicators: Enterococci and *Escherichia coli*, EPA/821/R-97/004, March 2000, Membrane Filter Method 1600 for Enterococci.

<sup>6</sup> Bisson, J.W., Cabelli, V.J., "Membrane Filter Enumeration Method for *Clostridium perfringens*," Applied and Environmental Microbiology, Jan 1978; Armon, R., Payment, P., "A Modified mCP Medium for Enumerating *C. perfringens* from Water Samples," Canadian Journal of Microbiology, 1988.